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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Carlo Croce, Charles Brenner, and Yuri Pekarsky
Application No.: 09/855,294 Group Art Unit: 1647
Filed: May 15, 2001 Examiner: Robert C. Hayes, Ph.D.
Confirmation No.: 1905
For: CRYSTAL STRUCTURE OF WORM NitFhit REVEALS
THAT A Nit TETRAMER BINDS TWO Fhit DIMERS

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
<u>6/30/05</u>	<u>Donna Boudreau</u>
Date	Signature
<u>Donna Boudreau</u>	
Typed or printed name of person signing certificate	

REQUEST FOR CHANGE OF DOCKET NUMBER
AND CORRECTED FILING RECEIPT

Customer Correction Office
Commissioner for Patents
P.O. Box 1450
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Sir:

Applicants' attorney requests that the docket number of record for the above-referenced case be changed to 3589.1007-000. This request is made to better identify this application within our offices.

Please provide a corrected Filing Receipt indicating the new attorney docket number.

Please charge Deposit Account No. 08-0380 for any fees that may be due in this matter.
One additional copy of this document is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By David E. Brook

David E. Brook

Registration No. 22,592

Telephone: (978) 341-0036

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Concord, MA 01742-9133

Date: 6/30/05



HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

**REVOCATION OF POWER OF
ATTORNEY WITH
NEW POWER OF ATTORNEY
and
CHANGE OF CORRESPONDENCE
ADDRESS**

Application/Patent Number	09/855,294
Filing/Issue Date	May 15, 2001
First Named	Carlo Croce
Confirmation Number	1905
Group Art Unit	1647
Examiner Name	Robert Clinton Hayes, Ph.D.
Attorney Docket Number	3589.1007-000

Title CRYSTAL STRUCTURE OF WORM NITRIL REVEALS THAT A NIT TETRAMER BINDS TWO NITRIL DIMERS

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith
OR

☒ I hereby appoint the practitioners associated with the Customer Number: **021005**

Please change the correspondence address for the above-identified application to:

☒ Customer Number 021005
Hamilton, Brook, Smith & Reynolds, P.C.
530 Virginia Road
P.O. Box 9133
Concord, Massachusetts 01742-9133

☐ Other _____

Please direct all telephone calls and facsimiles to:

Name David E. Brook, Esq. Tel. No. 978-341-0036 Fax No. 978-341-0136

I am the:

☐ Applicant/Inventor.

☒ Authorized representative of the Assignee, Thomas Jefferson University, of the entire interest. See 37 C.F.R. § 3.71. A Statement under 37 C.F.R. § 3.73(b) is enclosed.

☐ Authorized representative of the Assignee, [], together with [], of the entire interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed.

SIGNATURE of Applicant or Assignee of Record

Signature	<u>Steven E. McKenzie M.D., Ph.D.</u>
Name & Title	Steven E. McKenzie, M.D., Ph.D., V.P. of Science Policy and Technology Transfer
Date	<u>6/22/05</u>



Docket No. 3589.1007-000

STATEMENT UNDER 37 C.F.R. § 3.73(b)

Inventors: Carlo Croce, Charles Brenner, and Yuri Pekarsky

Application No./Patent No.: 09/855,294 Filed/Issue Date: May 15, 2001

For: CRYSTAL STRUCTURE OF WORM NIT FIBRIL REVEALS THAT A NIT TETRAMER BINDS TWO FIBRIL DIMERS

Thomas Jefferson University
(Name of Assignee)

University
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A. ☒ the assignee of the entire right, title and interest in the patent application identified above; or
- B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reels _____, Frames _____, or a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature: Steven E. McKenzie M.D., Ph.D.

Name: Steven E. McKenzie, M.D., Ph.D.

Title: V.P. of Science Policy and Technology Transfer

Date: 6/22/05

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ASSIGNMENT OF APPLICATION

Docket Number (Optional)
CRO01-NP007

Whereas, I, Carlo Croce of 1829 Delancey Street Philadelphia, PA 19103, hereafter referred to as applicant, have invented certain new and useful improvements in CRYSTAL STRUCTURE OF WORM NitFhit REVEALS THAT A Nit TETRAMER BINDS TWO Fhit DIMERS

☒ for which an application for a United States Patent was filed on 05/15/01,
Application Number 09 / 855,294.

☐ for which an application for a United States Patent was executed on _____, and

Whereas, Thomas Jefferson University of Philadelphia, Pennsylvania herein referred to "assignee" whose mailing address is 1020 Walnut Street, Philadelphia, PA 19107 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 27th day of July, 2001
at Thomas Jefferson University 1020 Walnut St. Philadelphia, PA 19107

State of Pennsylvania) SS:
County of Philadelphia)

Before me personally appeared said Carlo Croce
and acknowledged the foregoing instrument to be his free act and deed this 27th
day of July

CLARE T. HEINKE, Notary Public
City of Philadelphia, Phila. County
My Commission Expires August 5, 2001

Seal

(Signature)

(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

ASSIGNMENT OF APPLICATION

Docket Number (Optional)
CRO01-NP001

COPY

Whereas, I, Charles Brenner 749 East Passyunk Avenue
of Philadelphia, Pennsylvania 19147, hereafter
referred to as applicant, have invented certain new and useful improvements in _____
CRYSTAL STRUCTURE OF WORM NitFhit REVEALS THAT A Nit TETRAMER
BINDS TWO Fhit DIMERS

☐ for which an application for a United States Patent was filed on _____
Application Number _____/_____.

☒ for which an application for a United States Patent was executed on 05/15/01, and

Whereas, Thomas Jefferson University of Philadelphia, Pennsylvania herein referred to
"assignee" whose mailing address is 1020 Walnut Street, Philadelphia, PA 19107 is de-
sirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00), the receipt whereof is ac-
knowledgeed, and other good and valuable consideration, I, the applicant, by these presents do sell, assign
and transfer unto said assignee the full and exclusive right to the said invention in the United States and the
entire right, title and interest in and to any and all Patents which may be granted therefor in the United States,
I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States
Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof;
and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may
be granted, as fully and entirely as the same would have been held by me had this assignment and sale not
been made.

Executed this 14th day of May, 2001,
at Thomas Jefferson University 1020 Walnut St. Philadelphia, PA 19107

Charles Brenner
(Signature)

State of Pennsylvania) SS:
County of Philadelphia)
Before me personally appeared said Charles Brenner
and acknowledged the foregoing instrument to be his free act and deed this 14th
day of May, 2001.

Seal

Gisele V. Hamilton
(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any
comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark
Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents
and Trademarks, Washington, DC 20231.

GISELE V. HAMILTON, Notary Public
City of Philadelphia, Phila. County
My Commission Expires March 5, 2005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ASSIGNMENT OF APPLICATION

Docket Number (Optional)
CRO01-NP007

Whereas, I, Yuri Pekarski of 8110 Verree Rd. Apt. A307 Philadelphia, PA 19111 hereafter referred to as applicant, have invented certain new and useful improvements in CRYSTAL STRUCTURE OF WORM NitFhit REVEALS THAT A Nit TETRAMER BINDS TWO Fhit DIMERS

☐ for which an application for a United States Patent was filed on _____ Application Number _____

☒ for which an application for a United States Patent was executed on 05/15/01, and

Whereas, Thomas Jefferson University of Philadelphia, Pennsylvania herein referred to "assignee" whose mailing address is 1020 Walnut Street, Philadelphia, PA 19107 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 14th day of May, 2001 at Thomas Jefferson University 1020 Walnut St. Philadelphia, PA 19107

State of Pennsylvania) SS:
County of Philadelphia)
Before me personally appeared said Yuri Pekarski
and acknowledged the foregoing instrument to be his free act and deed this 14th
day of May, 2001.

(Signature)

Seal

(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

NOTARIAL SEAL
GISELE V. HAMILTON, Notary Public
City of Philadelphia, Phila. County
My Commission Expires March 5, 2005



DOCKET NUMBER: 3589.1007-000

STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.27(a))-NONPROFIT ORGANIZATION

Applicant or Patentee: Carlo Croce, Charles Brenner and Yuri Pekarsky
Application or Patent No.: 09/855,294
Filed or Issued: May 15, 2001
Title: CRYSTAL STRUCTURE OF WORM NitFhit REVEALS THAT A Nit TETRAMER BINDS TWO Fhit DIMERS

I hereby state that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF NONPROFIT ORGANIZATION Thomas Jefferson University
ADDRESS OF NONPROFIT ORGANIZATION 1015 Walnut Street, Suite 705
Philadelphia, Pennsylvania 19107

TYPE OF NONPROFIT ORGANIZATION:

- ☒ UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
☐ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C. 501(a) and 501(c)(3))
☐ NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA
(NAME OF STATE _____)
(CITATION OF STATUTE _____)
☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C. 501(a) and 501(c)(3)) IF
LOCATED IN THE UNITED STATES OF AMERICA
☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED
STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA
(NAME OF STATE _____)
(CITATION OF STATUTE _____)

I hereby state that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.27(a)(3) for purposes of paying reduced fees to the United States Patent and Trademark Office regarding the invention described in:

- ☐ the specification filed herewith with title as listed above.
☒ the application identified above.
☐ the patent identified above.

I hereby state that the rights under contract or law have been conveyed to and remain with the nonprofit organization regarding the above identified invention. If the rights held by the nonprofit organization are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities. No rights to the invention are held by any person who would not qualify as a person under 37 CFR 1.27(a)(1) or by any concern which would not qualify as a small business concern under 37 CFR 1.27(a)(2) or a nonprofit organization under 37 CFR 1.27(a)(3).

Each additional person, concern, or organization having any rights in the invention is listed below:

- ☒ no such person, concern, or organization exists.
☐ each such person, concern, or organization is listed below.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.27(g)(2))

NAME OF PERSON SIGNING Steven E. McKenzie, M.D., Ph.D.
TITLE IN ORGANIZATION OF PERSON SIGNING V.P. of Science Policy and Technology Transfer
ADDRESS OF PERSON SIGNING 1020 Locust Street, Philadelphia, Pennsylvania 19107-6799
SIGNATURE S McKenzie MD, PhD DATE 6/22/05

@PFDesktop\ODMA\MHODMA\HBSR05\iManage\534955:1